

(rev. 9/95)

## DECLARATION FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My mailing address and citizenship are as stated below next to my name.

I believe I am the original first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **NON-VOLATILE MEMORY DEVICE WITH ENLARGED TRAPPING LAYER**, the specification of which

(check one)

is attached hereto  
 was filed on  
 as US Application Serial Number

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Not Claimed

<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>	[ ]
<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>	[ ]

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

<u>(Application Number)</u>	<u>(Filing Date)</u>
<u>(Application Number)</u>	<u>(Filing Date)</u>

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or §365© of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

<u>Number</u>	<u>(Filing Date)</u>	<u>(Status -patented, pending, abandoned)</u>	<u>(Application</u>
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I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Donald E. Stout, Reg. No. 34,493; Frank J. Uxa, Reg. No. 25,612; Robert D. Bujan, Reg. No. 32,460;  
Kenton R. Mullins, Reg. No 36,331; Jo Anne M. Ybaben, Reg. No. 42,243; Linda Allyson Fox, Reg. No. 38,883;  
Kyle D. Yesland, Reg. No. 45,526; Greg S. Hollrigel, Reg. No. 45,374; Louise S. Heim, Reg. No. 32,337.

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Kenton R. Mullins  
Stout, Uxa, Buyan & Mullins, LLP  
4 Venture, Suite 300  
Irvine, CA 92618

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Inventor's signature

Chia-chi Chung  
CHIA-CHI CHUNG

Date

Apr 29, 02

Citizenship

Republic of China

Mailing Address

16 Li-Hsin Rd., Science-Based Industrial Park, Hsinchu, Taiwan, R.O.C.



JULY 25, 2002

PTAS

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\*102104379A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/13/2002

REEL/FRAME: 012919/0162  
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHUNG, CHIA-CHI

DOC DATE: 04/29/2002

ASSIGNEE:

MACRONIX INTERNATIONAL CO., LTD.  
16 LI-HSIN ROAD  
SCIENCE-BASED INDUSTRIAL PARK  
HSINCHU, CHINA R.O.C.

SERIAL NUMBER: 10145203

FILING DATE: 05/13/2002  
ISSUE DATE:

VIOLET MCCOY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):  <b>Chia-Chi Chung</b>		2. Name and address of receiving party(ies):  Name: <b>Macronix International Co., Ltd.</b> Internal Address: <b>16 Li-Hsin Road, Science-Based Industrial Park, Hsinchu, Taiwan, Republic of China</b>
Additional names(s) of conveying party(ies) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance:  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____		Street Address: <b>Same as above.</b>  City: _____ State: _____ ZIP: _____
Execution Date: <b>April 29, 2002</b>		Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4. Application number(s) or patent numbers(s):  If this document is being filed together with a new application, the execution date of the application is: <b>May 13, 2002</b>		
A. Patent Application No.(s)		B. Patent No.(s)  <i>10/145203</i>
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: <b>Kenton R. Mullins</b> Internal Address: <b>Stout, Uxa, Buyan &amp; Mullins, LLP</b> <b>4 Venture, Suite 300</b> <b>Irvine, CA 92618</b> Street Address: <b>Same as above.</b>		6. Total number of applications and patents involved: <b>1</b>  7. Total fee (37 CFR 3.41): ..... \$ <b>40.00</b>  <input type="checkbox"/> Enclosed - Any excess or insufficiency should be credited or debited to deposit account <input checked="" type="checkbox"/> Authorized to be charged to deposit account
City: _____ State: _____ ZIP: _____		8. Deposit account number:  <b>50-1600</b>
(Attach duplicate copy of this page if paying by deposit account)		

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**9. Statement and signature.**

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

## Kenton R. Mullins



May 13, 2002

**Name of Person Signing**

**Signature**

Date

Total number of pages including cover sheet, attachments, and document:

WHEN RECORDED, RETURN TO:

Kenton R. Mullins  
STOUT, UXA, BUYAN & MULLINS, LLP  
4 Venture, Suite 300  
Irvine, CA 92618

**ASSIGNMENT**

WHEREAS, I, CHIA-CHI CHUNG, residing in Taiwan, have invented certain new and useful improvements in:

**NON-VOLATILE MEMORY DEVICE WITH ENLARGED TRAPPING LAYER**

for which the said CHIA-CHI CHUNG has this        day of                   , 2002 executed application papers for United States Letters Patent thereon;

WHEREAS, MACRONIX INTERNATIONAL CO., LTD., hereinafter called Assignee, having a place of business at 16 Li-Hsin Road, Science-Based Industrial Park, Hsinchu, Taiwan, R.O.C., is desirous of acquiring the entire and exclusive right, title and interest in and to the aforesaid invention and in and to any and all Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto;

NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for and in consideration of the sum of ONE TAIWAN NEW DOLLAR paid to me in hand paid by Assignee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, CHIA-CHI CHUNG by these presents do hereby sell, assign and transfer unto Assignee, its successors and assigns, the full and exclusive right, title and interest in and to the said invention, and in and to any Letters Patent which may be granted and issued in the United States and throughout the world therefor;

AND, I HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue said United States Letters Patent to the said MACRONIX INTERNATIONAL CO., LTD.,

IN WITNESS WHEREOF, I have executed this instrument at 16 Li-Hsin Road, Science-Based Industrial Park, Hsinchu, Taiwan, R.O.C.,

this 21 day of Apr, 2002.

Witness: \_\_\_\_\_  
(print name)

  
CHIA-CHI CHUNG